

Grade 8 Academic Standards

Unit 2 Lesson

Science

Standard 2 Scientific Thinking

Communication

8.2.8 Use tables, charts, and graphs in making arguments and claims in, for example, oral and written presentations about lab or fieldwork.

Standard 3 The Physical Setting

The Earth and the Processes that Shape It

8.3.6 Understand and explain that the benefits of the Earth's resources, such as fresh water, air, soil, and trees, are finite and can be reduced by using them wastefully or by deliberately or accidentally destroying them.

Standard 4 The Living Environment

Interdependence of Life and Evolution

8.4.8 Describe how environmental conditions affect the survival of individual organisms and how entire species may prosper in spite of the poor survivability or bad fortune of individuals.

Social Studies

Standard 3 Geography

Environment and Society

8.3.9 Identify ways people modified the physical environment as the United States developed, and the types of problems that came as a result.

Unit 2 - Activities 2, 3, 4, and 5 satisfy the following Indiana academic standards:

Science

8.1.4 Explain why accurate record keeping, openness, and replication are essential for maintaining an investigator's credibility with other scientists and society.

8.2.7 Participate in group discussions on scientific topics by restating or summarizing accurately what others have said, asking for clarification or elaboration, and expressing alternative positions.

8.3.13 Explain that energy cannot be created or destroyed but only changed from one form into another.

Social Studies

8.3.9 Identify ways people modified the physical environment as the United States developed, and the types of problems that came as a result.